REPORT

FOR THE YEAR 1903,

PRESENTED TO THE

NEWARK

RURAL DISTRICT COUNCIL

BY

FRANK BROADBENT,

M.R.C.S., Eng., L.R.C.P., Edinburgh,

MEDICAL OFFICER OF HEALTH.

NEWARK :

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TO THE

Rural District Council of Newark.

JANUARY 18th, 1904.

GENTLEMEN,

I beg to submit to you my Ninth Annual Report for the Rural District Council of Newark. The population is estimated at 7738, the acreage at 36619, and during the year there have been 103 deaths and 159 births. The birth rate was 20·5 per 1000 against 28·5 for last year. The death rate was 13·3 against 13·8 for last year. The death rate for children under one year was 213·5 per 1000 of the total deaths against 242·9 for last year. Though debility from premature births seems the most common cause of death in infants, still I cannot help thinking that more intelligence in the management of children is required. The deaths of children under one year compared to births is 138·3 against 118·1 for last year. The deaths of children between one and five years is 97 against 65·4 The deaths of persons of 65 and upwards amounted to 388·3 per 1000 of the total deaths against 383·1 for last year, and among these I notice 1 over 90, 12 over 80, and 19 over 70 years of age. The principal Zymotic Diseases which caused death were Diphtheria 2, Scarlatina 1, and Puerperal Fever 1, a mortality of ·5 against ·1 for last year. There has been no Small Pox in the district, but the subject has caused me considerable anxiety during the last year as the surrounding districts have all had cases. Your Authority

has entered into an agreement to hire a field and erect tents if an outbreak occurred, but I do not look on this as satisfactory, especially in the winter, and still think that an arrangement should be made with Newark to deal with an outbreak. Scarlatina has again not been epidemic and no Schools have had to be closed. Isolated cases, which have generally been imported, have been reported from North and South Collingham, Coddington, and Hawton. Coddington has had nine cases with one death in the early part of the year, and ever since I have been Medical Officer of Health Coddington has been very subject to the complaint. I think the people are very careless about Isolation of cases and I hope to be able to deal more stringently with them when the Isolation Hospital is ready. Diphtheria has been reported from : New Balderton 2 cases, North Collingham 1 case, South Collingham 1 case, Coddington 2 very slight cases, and there was one death at South Collingham and New Balderton. I am hoping the Drainage Scheme will remedy the tendancy to Diphtheria in New Balderton, but so much of the land is impregnated with Sewage that for a time I should not be surprised if there were further cases. Diphtheria occurred in two houses not very far apart in North and South Collingham. The source of Infection could not be traced, and in both cases the drainage was subsoil and the water was bad. Single cases of Typhoid Fever were reported from New Balderton and South Clifton.

Erysipelas was reported from South Collingham, Girton, North Collingham, New Balderton and Coddington.

One case of Puerperal Fever was reported from New Balderton. Whooping Cough became epidemic at Brough and there were two deaths, and the School had to be closed from March 9th to April 14th.

Measles became epidemic in Farndon and the School had to be closed from April 20th to May 4th. Measles also became epidemic in Balderton. In March there were two deaths and the School had to be closed from March 11th to April 6th. There were 4 deaths from Cancer in the district, but as the average age was 74 I do not think they call for consideration. The district all the year has been wonderfully free from Infectious Disease. There have been only 19 notifications against 51 for the previous year. The health of the whole district has been exceptionally good. Balderton Drainage Scheme is now complete.

Accompanied by your Inspector I have visited the Bakers and Butchers Shops, Milk-sellers and Factories in the district. Your Inspector has collected, and I have qualitatively analysed 13 samples of water of which 2 were passable and 11 bad.

Appended are the Tables provided by the Local Government Board, the Rainfall kindly supplied by the Rev. E. C. Shawfield, of South Scarle Vicarage, and a short digest of your Inspector's work.

Your obedient Servant,

FRANK BROADBENT.

Newark Rural District Council.

REPORT OF THE INSPECTOR OF NUISANCES,

For the Year ending December 31st, 1903.

Nuisances reported...	50
,, abated	23
,, unabated at end of year	27
Official Notices issued	6
Cases prosecuted by Authority	0
Newark water supply adopted	7
New drains provided	6
New privies provided	5

As the number of cases unabated appears exceptionally large, it should be noted that 18 of them were reported in December.

I have inspected all Bakehouses, Slaughterhouses, Registered Cowsheds and Workshops in the district. Their general condition is satisfactory.

A new set of Regulations as to Cowsheds have been passed by the Council.

R. OAKDEN, Junr.,

Inspector of Nuisances.

TABLE I.

NEWARK RURAL DISTRICT COUNCIL.

Vital Statistics of whole District during 1903 and previous Years.

Year.	Population estimated to Middle of each Year.	Births.		Deaths under One Year of Age.		Deaths at all Ages. Total.		Deaths in Public Institutions.	Deaths of Non-residents registered in District.	Deaths of Residents registered beyond District.	Deaths at all ages nett.	
		Number.	Rate.	Number.	Rate per 1,000 Births registered.	Number.	Rate.				Number	Rate
1895	7093	156	21·9	21	134·6	101	14·2	0	0	0	101	14·2
1896	7093	187	26·3	23	122·9	101	14·2	0	0	0	101	14·2
1897	7093	206	28·5	20	97	108	14·9	0	0	0	108	14·9
1898	7207	197	27·3	24	121·8	101	14	0	0	0	101	14
1899	7207	181	25·1	16	88·3	100	13·8	0	0	0	100	13·8
1900	7207	196	27·1	18	91·8	118	16·3	0	0	0	118	16·3
1901	7738	225	29	17	75·5	99	12·7	0	0	0	99	12·7
1902	7738	220	28·5	26	118·1	107	13·8	0	0	0	107	13·8
Averages for years 1893-1902	7297	196	26·7	20·5	106·2	104·3	14·2	0	0	0	104·3	14·2
1903	7738	159	20·5	22	138·3	103	13·3	0	0	0	103	13·3

Area of District in acres (exclusive of area covered by water) 36619. Total Population at all ages 7738 ; Number of inhabited houses 1795 ; Average number of persons per house 4, at Census of 1901.

TABLE III.

NEWARK RURAL DISTRICT COUNCIL.

Cases of Infectious Disease notified during the Year 1903.

NOTIFIABLE DISEASE.	Cases Notified in Whole District.							Total Cases Notified in Each Locality	No. of Cases removed to Hospital from Each Locality
	At all Ages.	At Ages—Years.						1	1
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards		
Small Pox	...	...	...	...	...	...	...		
Cholera	...	...	...	...	...	...	...		
Diphtheria	3	...	1	2	...	...	...		
Membranous Croup ...	...	...	...	...	...	...	...		
Erysipelas	6	...	...	...	...	3	3		
Scarlet Fever	8	...	...	5	2	1	...	NIL.	NIL.
Typhus Fever	...	...	...	...	...	...	...		
Enteric Fever	1	...	...	...	1	...	...		
Relapsing Fever... ...	...	...	...	...	...	...	...		
Continued Fever ...	...	...	...	...	...	...	...		
Puerperal Fever... ...	...	...	...	...	...	...	...		
Plague	1	...	...	...	1	...	...		
Totals	19	...	1	7	4	4	3		

Isolation Hospital—None.

TABLE IV.

NEWARK RURAL DISTRICT COUNCIL.

Causes of, and Ages at, Death during Year 1903.

Causes of Death.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Membranous Croup.	Croup.	Enteritis.	Puerperal Fever.	Other Septic Diseases.	Phthisis.	Other Tubercular Diseases.	Cancer, Malignant Disease.	Bronchitis.	Pneumonia.	Alcoholism, Cirrhosis of liver.	Premature Birth.	Diseases & Accidents of Parturition.	Heart Diseases.	Accidents.	Sucides.	All other Causes.	All Causes.
	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.																				
All ages	2	1	2	2	1	1	1	1	9	2	4	7	6	1	3	3	12	1	2	42	103
Under 1 year	2	...	1	1	1	1	...	1	...	...	...	3	2	...	3	...	...	...	...	7	22
1 and under 5	...	1	...	1	...	...	...	...	2	...	...	3	2	...	...	...	...	...	...	1	10
5 and under 15	...	...	1	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	1	4
15 and under 25	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	1	...	...	2	8
25 and under 65	...	...	...	..	...	...	1	...	1	1	...	...	...	1	...	3	2	1	1	8	19
65 and upwards	...	...	...	...	...	...	...	...	...	...	4	1	2	...	...	...	9	...	1	23	40

RAINFALL IN 1903.

At SOUTH SCARLE, in the County of Notts.

Rain Gauge { Diameter of Funnel Five Inches.
Height of top { Above Ground 1 ft. 4 in.
Above Sea Level 52 ft.

Month.	Total Depth.	Greatest fall in 24 Hours.		Number of Days on which ·01 or more fell.
	Inches.	Depth.	Date.	
January	1·51	·28	2	15
February	·51	·13	25	8
March	2·76	·85	16	15
April	1·15	·50	30	9
May	2·76	·50	3	16
June	1·08	.57	13	6
July	2·35	·71	27	9
August	4·54	1·22	17	17
September	3·30	1·05	11	17
October	5·93	1·15	27	22
November	·96	·23	2 & 28	11
December	·63	·17	8	7
TOTALS	27·48	...	...	152

E. C. SHAWFIELD.

Average Rainfall for 10 years 21·58.

Average number of days of Rainfall 142.